Abstract of the Disclosure:

A circuit configuration recognizes the occupancy of a seat and triggers a seatbelt warning in a motor vehicle. Resistance elements are disposed in a separated and flat manner on a motor vehicle seat, in particular on a sensor seating mat, which alters the resistance values when a force is exerted thereon, for example, perpendicular to the surface of the vehicle seat, or by bending. The weight-sensitive resistance elements contain first resistance elements and additional resistance elements, and the resistance values thereof can be measured in respectively different measuring circuits without the measuring results for the first resistance elements influencing the measuring results for the additional resistance elements.